

Top Secret



DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Staff Notes

21 April 1967

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NIMA / DoD

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The IMAGERY ANALYSIS STAFF NOTES is a periodic publication of the DDI Imagery Analysis Staff, the departmental PI organization of CIA.

This publication highlights significant or timely intelligence items derived from imagery.

The interpretations in this publication represent preliminary views which are subject to modification in the light of further information and more complete analysis.

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USSR

Evidence of a Possible Site for PLRS Training

A possible site for PLRS training (Figure 1) has been newly identified within the Kalinin SAM Training Facility, approximately 90 nm northwest of Moscow.

The area of interest comprises one section of the overall SAM training facility, in which a single large drive-through revetment of typical PLRS configuration has been constructed. The interior of the revetment is approximately 150 feet long, which is adequate for the launcher and rail arrangement usually seen at PLRS complexes. This large revetment was first apparent on photography of [REDACTED] It was not present on photography [REDACTED]

25X1D

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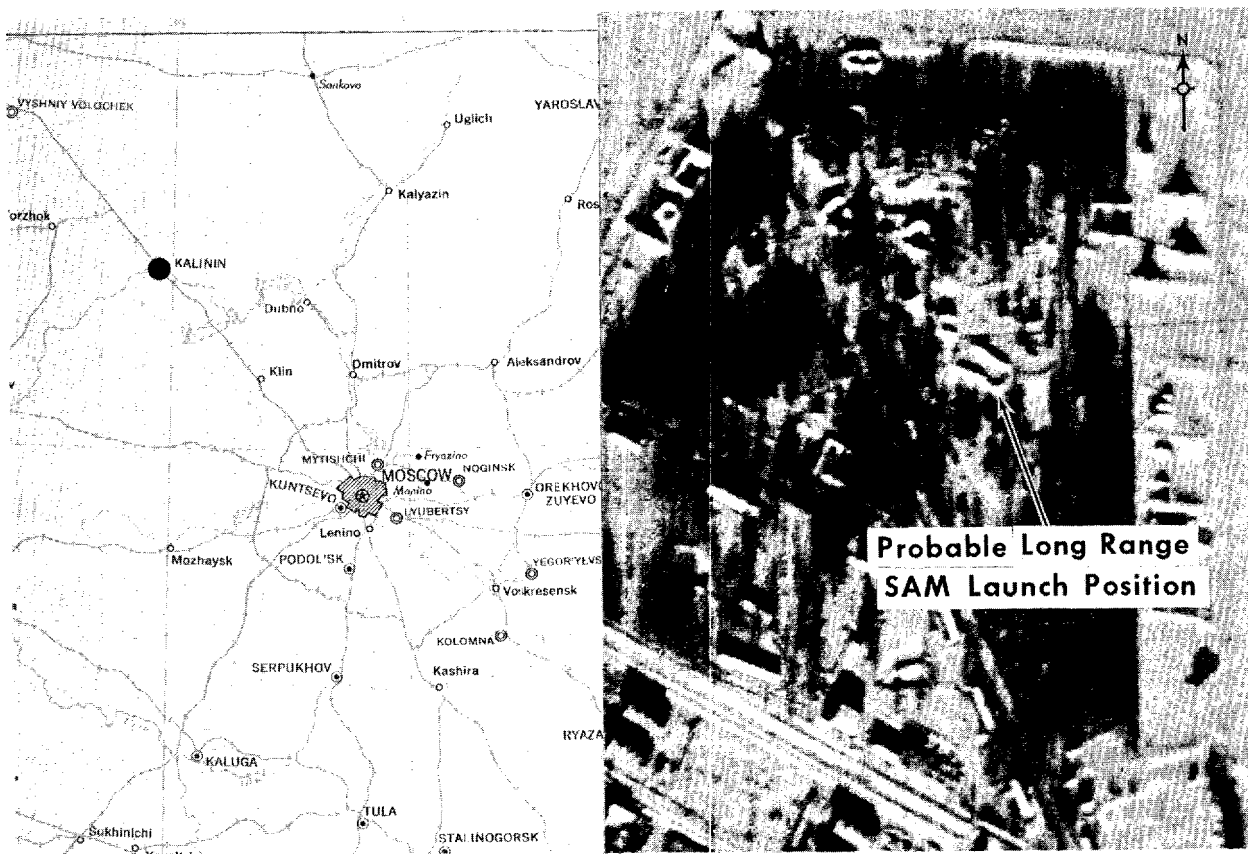


FIGURE 1 Kalinin SAM Training Facility

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Four PLRS complexes -- Kalinin, Kimry, Mozhaysk, and
Pereslavl-Zalesskiy -- are located within 100 nm of this facility.
No other PLRS training facilities have been identified in the Moscow
area.

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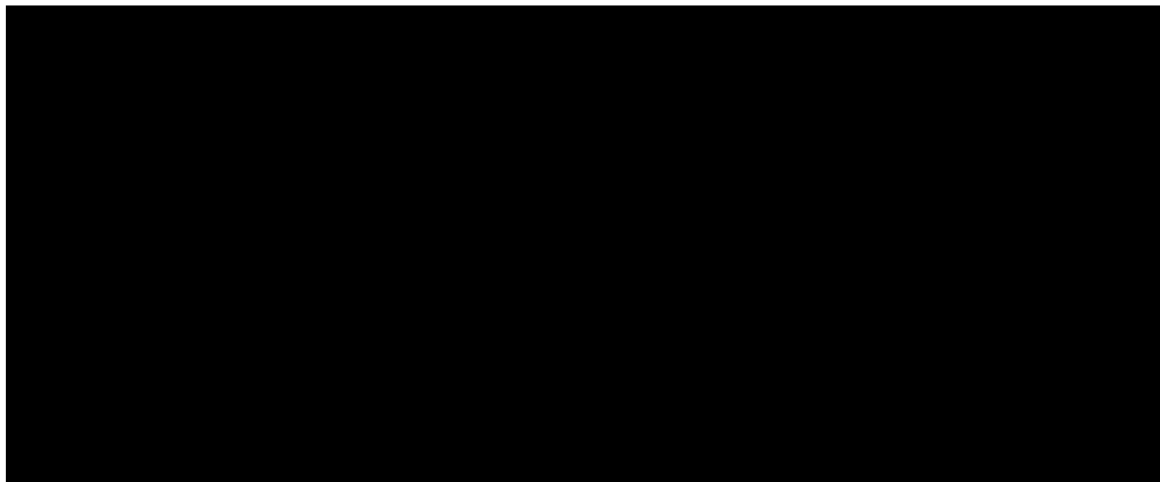
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USSR/EUROPEAN SATELLITES

Deployment of Tall King Air Warning Radar Facilities

With the recent discovery of three new Tall King air warning radar facilities near Tauysk, Kulagino, and Smidovich, USSR, there are now a total of 293 identified Tall King sites located throughout the USSR and the European Satellites. Of these, 36 contain dual antennas making a total of 329 antennas.

25X1D During [REDACTED] ten single Tall King sites, all situated along the Soviet border areas, were converted into dual sites. This trend indicates that the Soviets are taking steps to reduce their vulnerability during the down time of a single Tall King antenna.

The Soviet deployment pattern of Tall King sites varies from region to region. In the western and southern regions, where the main industrial and population centers exist, the spacing between sites is approximately 60 nm, whereas in the sparsely populated eastern and northern regions, the spacing is approximately 110 nm.

Assuming that existing gaps in the deployment pattern will be filled and the Soviets continue their program of doubling-up antennas in critical areas, an eventual deployment of Tall King antennas on the order of 500 in number can be projected.



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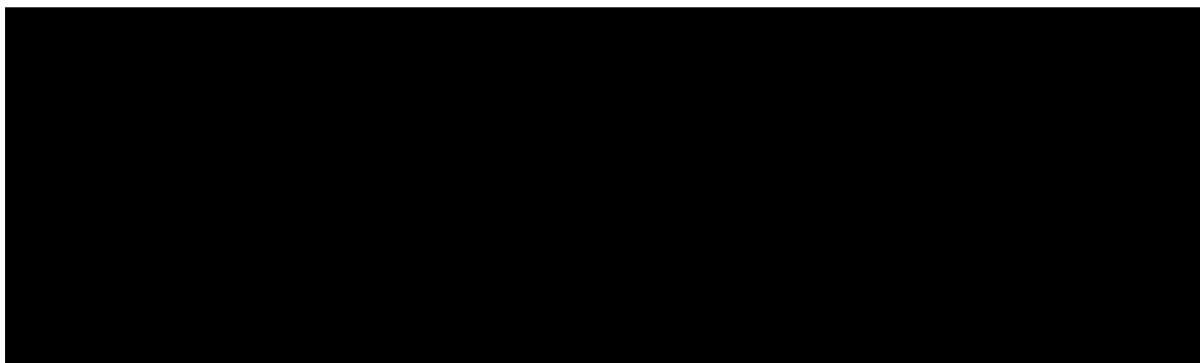
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MONGOLIA

Discovery of New Probable SA-2 SAM Site

A probable SA-2 SAM site has been identified 17 nm southeast of Ulan Bator, Mongolia, at 47-45N 107-16E. It was first seen on Mission [REDACTED] but was not present on Mission [REDACTED]

The site is occupied, but site configuration cannot be determined due to heavy snow. A support area containing three barracks-type buildings is located immediately north of the site. This indicates that it is probably a permanent site location rather than a temporary field launch site.

This is the second SA-2 SAM site identified in Mongolia. The other was located approximately four nm west of Ulan Bator, at 47-55N 106-49E and is not covered on Mission [REDACTED]. It was last seen on Mission [REDACTED] and was occupied at that time.

MONGOLIA

Evidence of a Probable Tank/Assault-Gun Unit near Ulan Bator

A search for military activity along the Sino-Soviet border from Mission [REDACTED] has revealed a tank/assault-gun firing range with four active firing lanes at 47-46N 107-38E, approximately 35 nm east of Ulan Bator. The installation consists of the firing range and billeting and support areas. The billeting and support areas were present in [REDACTED] activity at these areas has increased from a low to a medium level since that time. This is the first installation of this type identified in Mongolia.

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GENERAL INFORMATION

Recent KH-4 Coverage of Bolivia and Yemen/Saudi Arabia

A review of [REDACTED] reveals that the following areas of current intelligence interest were covered by good quality satellite photography. The very small scale of the photography limits its interpretability. However, the photography is suitable for mosaics showing overall terrain features or enlargements showing specific complexes.

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Area of Guerrilla Activity in Bolivia - In addition to showing terrain features, the photography reveals most of the routes of travel in the Gutierrez (19-24S 63-33W), Nacahuasu (19-24S 63-43W), and Iripiti Pass (19-19S 63-42W) areas -- all scenes of reported clashes between government troops and guerrillas.

Area of Conflict in Yemen/Saudi Arabia - This coverage includes the new airfield under construction at Khamis Mushait (18-13N 43-03E), with the Thunderbird surface-to-air missile site; the coastal town of Qizan (16-55N 42-33E), including the recently installed Hawk surface-to-air missile site; the Yemeni Royalist stronghold at Al Kitaf (17-03N 44-05E) -- the scene of reported chemical warfare attacks by UAR forces; and the port city of Al Hudaydah (14-47N 42-58E), headquarters area for UAR forces in Yemen.

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[REDACTED]

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1. PIR 73032, TCS 2970/67, Waste Disposal Area, Novosibirsk Atomic Energy Complex, USSR (Top Secret Chess Ruff)

2. PIR 75110, Status of North Vietnamese Railroads. 2 - 8 April 1967 (Secret No Foreign Dissem [REDACTED])

4. PIR 77152, TCS 3334/67, Status of Military Forces near the Sino-Soviet Border, KH Missions [REDACTED] (Top Secret Ruff)

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